

1-17. (Canceled) .

18. (Original) A method of delivering a bioactive substance within a vessel, the method comprising:

providing apparatus comprising an anchor expandable from a delivery configuration to a deployed configuration, and a material adapted to elute a bioactive substance;

expanding the anchor to the deployed configuration within the vessel, the anchor engaging an interior wall of the vessel; and

eluting the bioactive substance from the material into blood flowing through the anchor.

19. (Original) The method of claim 18 further comprising, prior to expanding the anchor:

disposing the anchor in the delivery configuration within a distal end of a lumen of a delivery sheath; and

advancing the distal end of the delivery sheath to a delivery site within the vessel.

20. (Original) The method of claim 18, wherein eluting the bioactive substance comprises eluting a substance chosen from the group consisting of gene therapy vectors, gene therapy sequences, and drugs.

21. (Original) The method of claim 19, further comprising:

collapsing the anchor back to the delivery configuration within the distal end of the delivery sheath lumen; and

removing the apparatus from the patient's vessel.

22.(Original) The method of claim 19, further comprising, after expanding the anchor, removing the delivery sheath from the patient's vessel.

23.(Original) The method of claim 18, wherein providing apparatus comprising an anchor comprises providing a resiliently expandable cage.

24.(Original) The method of claim 18, wherein providing apparatus comprising a material eluting a bioactive substance comprises providing a material chosen from the group consisting of a spongy material, a floppy elongated member adapted for multiple turns, and a swellable pellet.

25.(Original) The method of claim 22, further comprising:

readvancing the distal end of the delivery sheath to the delivery site within the vessel;

collapsing the anchor back to the delivery configuration within the distal end of the delivery sheath lumen; and

removing the apparatus from the patient's vessel.